

Amendments to the Specification:

Page 36, lines 3-8, please amend, as follows:

The second observation is that, if the grantor A is the one who encrypts the message m , then A can keep the random number k private and use B 's public key $\beta = g^b(\text{mod } p)$, instead of B 's private key b , to generate the proxy key:

$$\pi = (\beta \alpha^{-1})^k(\text{mod } p),$$

where α ~~a~~ is A 's ~~public~~ private key. This eliminates the requirement for B 's private key b (or key exchange between A and B), and implies that B does not have to trust A , either.